

Design challenge worksheet

The problem is:

WHILE MANY PEOPLE CANNOT AFFORD NATIONAL GRID ELECTRICITY, OTHERS CAN AFFORD IT BUT ARE FED UP WITH PAYING HIGH FEES, FREQUENT POWER OUTAGES AND THE IMPACT OF THESE FACTORS ON THEIR BUSINESSES AND HOMES.

How might we question:

How might we ... PROVIDE ELECTRICITY THROUGH FLEXIBLE AND AFFORDABLE PACKAGES FOR ALL?

The ultimate impact we want to achieve is:

BOTH HIGHER AND LOWER INCOME PEOPLE RECEIVE A REASONABLE AMOUNT OF ELECTRICITY, PAY AN AFFORDABLE PRICE AND FEEL IN CONTROL OF THEIR ENERGY CONSUMPTION.

Does the question allow us to come up with multiple answers? If not, rephrase.

How might we ... MAKE SURE THAT DIFFERENT POPULATION SEGMENTS PAY AN AFFORDABLE PRICE FOR A REASONABLE AMOUNT OF ELECTRICITY AND UNDERSTAND HOW THEIR ENERGY CONSUMPTION IS CALCULATED?

Describe the context of the problem (location, duration, technology):

1. LOWER INCOME PEOPLE CAN'T AFFORD TO PAY A FIXED PRICE FOR THEIR GRID ELECTRICITY. THEY CAN ONLY AFFORD TO PAY FOR THE ENERGY THEY ACTUALLY USE.
2. PEOPLE THAT CAN AFFORD NATIONAL GRID ELECTRICITY (BOTH AT HOME OR AT THEIR BUSINESS) ARE UNHAPPY BECAUSE THEY PAY TOO MUCH AND BECAUSE OF FREQUENT POWER OUTAGES.
3. PEOPLE DO NOT UNDERSTAND HOW THEIR ENERGY CONSUMPTION IS CALCULATION OR PRICED.

Final how might we question:

How might we ... PROVIDE EVERYONE WITH AFFORDABLE AND FLEXIBLE ELECTRICITY SCHEMES THAT ENABLE THEM TO BE IN CONTROL OF THEIR FINANCES AND ENERGY CONSUMPTION?